

In re Appln of Sogabe et al.
Application No. 09/940,941

IN THE ABSTRACT:

Please replace the abstract with:

A creatine amidinohydrolase having the following physicochemical properties:

Action: catalyzing the following reaction:

creatine+H₂O→sarcosine+urea

Optimum temperature: about 40-50° C

Optimum pH: pH about 8.0-9.0

Heat stability: not more than about 50° C. (pH 7.5, 30 min)

Km value for creatine in a coupling assay using a sarcosine oxidase and a peroxidase:
about 3.5-10.0 mM Molecular weight: about 43,000 (SDS-PAGE)

Isoelectric point: about ~~3.5~~ 4.5,

a method for producing said enzyme, comprising culture of microorganism producing said enzyme, a method for the determination of creatine or creatinine in a sample using said enzyme, and a reagent therefor.